

V. P. & R. P. T. P. Science College
B.Sc. (Sixth Semester)
Wednesday 12th MARCH 2014
Subject code: US06CICH03 (Polymer Technology)
Industrial Chemistry

Time: 03:30 am to 05:00 pm

Total Marks: 30

Q-1 Answer any three of the following:

Marks-06

- Give the comparison of thermosetting & thermoplastic.
- Name of methods and techniques of polymerization.
- Give the reaction & its condition for the preparation of phenol formaldehyde novaloc as well as Resole type.
- Explain different methods for the preparation of formaldehyde.
- Name of different types of polyethylene and their density range.
- Write the properties of polypropylene.

Q-2 Give the classification of polymer based on molecular arrangement & tacticity.

Marks-08

OR

Q-2 Write the mechanism of Free radical polymerization.

Marks-08

Q-3 Give the properties, uses and process of manufacturing phenol formaldehyde resin.

Marks-08

OR

Q-3 Give the important properties, uses and manufacturing of urea formaldehyde resin.

Marks-08

Q-3 Described the manufacturing process for LDPE by High pressure process.

Marks-08

OR

Q-3 Write a note on PTFE.

Marks-08

